



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D3136-043
Job Sheet 211165



Part No: D3136-043

Job Qty: 1 pcs

Part Name: Window Assembly



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 7/7/20

Job Tracking No:

Due Date: 7/17/20

Created By: Kimberley Guerin

Type: Stock

Description:

Note: DWG REV F IPP Rev:A 04.02.04 New issue KJ/DS IPP Rev.B 07.05.29 Thermoform in-house DL IPP rev C 07.09.28 Rev E dwg EC verified by:DD IPP Rev:D 10.06.24 added note in qc5 seq 170 DD verf:EC IPP Rev E 14/01/20 Replace "Folio" with Work Instruction DL

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Lead Time	Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier			
110	Purchasing	1 pcs		7/16/20	0.00	0.00	Purchasing - 1			He 11/11 07/2020
							Purchasing - 2			
							Purchasing - 3			
140	Packaging 2-1 - Receive - B4B	1 pcs		7/16/20	0.00	0.00	Packaging 2 - 1 - B4B			He 11/11 07/2020
							Packaging 2 - 2 - B4B			
							Packaging 2 - 3 - B4B			
							Packaging 2 - 5 - B4B			
							Packaging 2 - 4 - B4B			
							Packaging 2 - 6 - B4B			
							Packaging 2 - 7 - B4B			
							Packaging 2 - 8 - B4B			
							Packaging 2 - 9 - B4B			
							Packaging 2 - 10 - B4B			
							Packaging 2 - 11 - B4B			
							Packaging 2 - 12 - B4B			
							Packaging 2 - 13 - B4B			
							Packaging 2 - 14 - B4B			
							Packaging 2 - 15 - B4B			
							Packaging 2 - 16 - B4B			
							Packaging 2 - 17 - B4B			
							Packaging 2 - 18 - B4B			
							Packaging 2 - 19 - B4B			
							Packaging 2 - 20 - B4B			
							Packaging 2 - 21 - B4B			
							Packaging 2 - 22 - B4B			
							Packaging 2 - 23 - B4B			
							Packaging 2 - 24 - B4B			
							Packaging 2 - 25 - B4B			
							Packaging 2 - 26 - B4B			
							Packaging 2 - 27 - B4B			



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CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S286629



Part: D3136-043

Job No: 211165

Serial No/Batch: S286629

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Date: 07/07/20

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7/7/2020

[Dart Hawkesbury] Job Sheet - Guerin, Kimberley

					Packaging 2 - 28 - B4B	
					Packaging 2 - 29 - B4B	
					Packaging 2 - 30 - B4B	
					Packaging 2 - 31 - B4B	
					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
					Packaging 2 - 36 - B4B	
					Packaging 2 - 37 - B4B	
150 QC 6	1 pcs	7/16/20	0.00 0.00		QC 6 - 9	
					QC 6 - 68	
					QC 6 - 61	
					QC 6 - 40	JUL 08 2020 40
					QC 6 - 81	0.89
					QC 6 - 82	
155 Small Fab - 2 - B4B	1 pcs	7/17/20	0.00 0.01		Small Fab - 1 - B4B	
					Small Fab - 2 - B4B	
					Small Fab - 3 - B4B	
					Small Fab - 4 - B4B	JUL 08 2020
					Small Fab - 5 - B4B	
					Small Fab - 6 - B4B	
					Small Fab - 7 - B4B	
					Small Fab - 8 - B4B	
					Small Fab - 9 - B4B	
					Small Fab - Various 1 - B4B	
165 QC 5	1 pcs	7/17/20	0.00 0.00		QC 5 - 10	
					QC 5 - 12	
					QC 5 - 17	
					QC 5 - 18	
					QC 5 - 19	
					QC 5 - 22	
					QC 5 - 24	
					QC 5 - 3	
					QC 5 - 43	
					QC 5 - 49	
					QC 5 - 51	
					QC 5 - 58	
					QC 5 - 68	
					QC 5 - 9	
					QC 5 - 50	
					QC 5 - 30	
					QC 5 - 40	
					QC 5 - 61	
					QC 5 - 81	
					QC 5 - 82	
170 Packaging 3-1 - Stock - B4B	1 pcs	7/17/20	0.00 0.00		Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	

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				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
				Packaging 3 - 37 - B4B	
180	QC 21 - SA	1	7/17/20	0.00 0.00	QC 21 - SA - 21
		pcs			QC 21 - SA - 70
					QC 21 - SA - 9
					QC 21 - SA - 77

Part Op 110 - Purchasing

Descriptions: **140** - Receive & Inspect for Damage & Mat'l Certs
150 - QC6- All purchased or subcontracted products
155 - INSTALL LABELS AND ENGRAVE AS PER NOTE 6
165 - QC5- Inspect part completeness to step on W/O
170 - Identify as per dwg & Stock Location;
180 - QC21- Final Inspection - Work Order Release

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D3136-043P	Window Assembly	1 pcs (1 ea)	110-Purchasing	S786678
MACRLICS.125	1/8" Polycast li Sheet	5.3300 sf (5.33 ea)	110-Purchasing	S151992
D3108-9	Decal	2 pcs (2 ea)	155-Small Fab - 2 - B4B	S151551

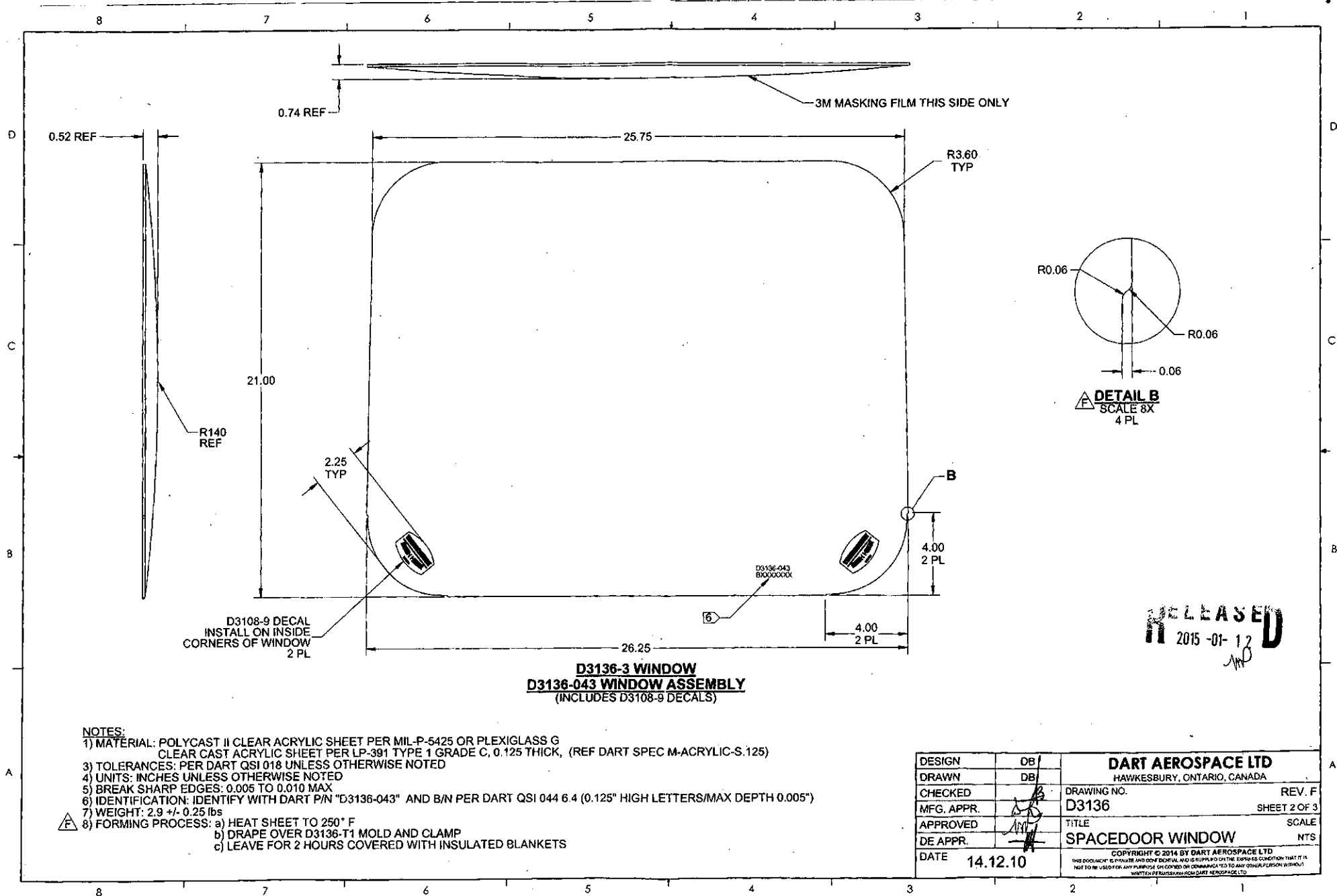
Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Purchasing	D3136-043P	1	0	0
	MACRLICS.125	5	1,153	0
155-Small Fab - 2 - B4B	D3108-9	2	162	0

Part Specifications

Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Window Assembly	21.000Inches ± 0.030	21.030 20.970		
2	Window Assembly	25.750Inches ± 0.030	25.780 25.720		
3	Window Assembly	26.250Inches ± 0.030	26.280 26.220		

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NOTES:

- 1) MATERIAL: POLYCAST II CLEAR ACRYLIC SHEET PER MIL-P-5425 OR PLEXIGLASS G CLEAR CAST ACRYLIC SHEET PER LP-391 TYPE 1 GRADE C, 0.125 THICK, (REF DART SPEC M-ACRYLIC-S.125)
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3136-043" AND B/N PER DART QSI 044 6.4 (0.125" HIGH LETTERS/MAX DEPTH 0.005")
- 7) WEIGHT: 2.9 +/- 0.25 lbs
- 8) FORMING PROCESS: a) HEAT SHEET TO 250° F
b) DRAPE OVER D3136-T1 MOLD AND CLAMP
c) LEAVE FOR 2 HOURS COVERED WITH INSULATED BLANKETS

DESIGN	DB	DART AEROSPACE LTD	
DRAWN	DB	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. F
MFG. APPR.		D3136	SHEET 2 OF 3
APPROVED		TITLE	SCALE
DE APPR.		SPACEDOR WINDOW	NTS
DATE	14.12.10	COPYRIGHT © 2014 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR FOR ANY OTHER PERSON WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **POHB046621**



Supplier: PTF001-VC
Canus Plastics Inc
3030 Conroy Unit 107
Ottawa Ontario

K1G 6C2 Canada
Phone: 613-831-4640
Fax: 613-831-4624

PO No: POHB046621
PO Date: 6/18/20
Due Date: 7/2/20
Purchase Order
Revision:
Revision Date:
Issued By: Lussier, Patrick
Phone: 613-632-5200 Ext: 276
plussier@dartaero.com

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items

Items														
Line Item	Job	Part	Drawing	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
2	211165	D3136-043P	D3136 Rev.F			Window Assembly : Various STC's receive pcs	Firmed	-	7/2/20	1 pcs	0 pcs	1 pcs	\$0.0001/pcs	\$0.00
JUL 07 2020														
Line Item Note **NO CHARGE REPLACEMENT**														
Grand Total:													\$0.00	

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

A005 RIGHT OF ENTRY
A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)
A012 CHEMICAL AND PHYSICAL TEST REPORTS
A016 PERSONNEL QUALIFICATION
A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

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RECEIVED

JUL 07 2020

DART AEROSPACE LTD.



128 WALGREEN ROAD, OTTAWA, ON K0A 1L0
PHONE-613-831-4640

CERTIFICATE OF COMPLIANCE

SOLD TO: DART AEROSPACE

DATE: JULY 7, 2020

YOUR PURCHASE ORDER: PO HB046621

OUR INVOICE NO: 218732

LINE ITEM # 2

QUANTITY: 1

DESCRIPTION: SPACE DOOR WINDOW FOR DWG D3136-43P REV F.

THESE PARTS WERE MANUFACTURED IN ACCORDANCE WITH:

DART QSI 018

PLASTECH PROCESS PR-01-01-D3136-043P REV 1.0 USING DWG D3136-043 REV F.

Note: USED 1 SHEET - 4 SF OF PLEXIGLASS G CLEAR CAST ACRYLIC SHEET PER LP-391
TYPE 1 GRADE C, 0.125 THICK (REF DART SPEC. M-ACRYLIC-S.125). BATCH# S151992.

THIS IS TO CERTIFY THAT THE MATERIAL FINISHES AND FUNCTIONAL REQUIREMENTS OF
THE ABOVE LISTED PARTS ARE IN ACCORDANCE WITH THE REFERENCE PROCUREMENT
SPECIFICATIONS, CONTROL DRAWINGS OR PARTS DESIGNATION AND LATEST REVISIONS
AS REFERENCED ON THE SUBJECT PURCHASE ORDER.

AUTHORIZED REPRESENTATIVE SIGNATURE

MARK PERRY, M.ENG.
PRESIDENT

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: <u>211165</u> Part No. <u>D3136-043</u>	DISPOSITION Rework ☐ Scrap ☒ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☒ Quality ☐
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Date: <u>JUL 09 2020</u>	Sequence #: <u>165</u>	QTY Affected: <u>1 of 1</u>	MRB (QSI042) DAS 9 JAB 20.07.09
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Description Work Order Deviation	Disposition	Completed By 40 JAB 20 2020
Drawing measurement 25.75 is 25.937 Drawing measurement 4.00 is 3.50 (both ways) Drawing measurement 21.00 is 21.125	Scrap replace destroy. contact supplier for replacement	Lead hand / Supervisor QC / QA Coordinator JD 20.07.10

Root Cause Operator ☒ Manufacturing Process ☒ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐	FAULT CATEGORY <table border="0"> <tr> <td>☐ Pressure/Forced</td> <td>☐ Contamination</td> <td>☐ Power Loss/Surge</td> <td>☐ Positioned Wrong</td> </tr> <tr> <td>☐ Bending</td> <td>☐ Misaligned/off center</td> <td>☐ Folio/Program</td> <td>☒ Outside Tolerance</td> </tr> <tr> <td>☐ Crushing</td> <td>☐ BOM/Route</td> <td>☐ Grain Direction</td> <td>☐ Drawing</td> </tr> <tr> <td>☐ Cracks</td> <td>☐ Broken/Damage/Defect</td> <td>☐ Weld</td> <td>☐ Finish</td> </tr> <tr> <td>☐ Crimp/Kink/Ripple/Wave/Twist</td> <td>☐ Incomplete/Unclear Instructions</td> <td>☐ Wrong Stock Pulled</td> <td>☐ Part Lost/Missing</td> </tr> <tr> <td>☐ Marks/Chatter</td> <td>☐ Drill Holes</td> <td>☐ Out of Sequence</td> <td>☐ Misread</td> </tr> <tr> <td>☐ Mislabeled</td> <td>☐ Fit/Function</td> <td>☐ Off-set/Set-up</td> <td></td> </tr> </table>	☐ Pressure/Forced	☐ Contamination	☐ Power Loss/Surge	☐ Positioned Wrong	☐ Bending	☐ Misaligned/off center	☐ Folio/Program	☒ Outside Tolerance	☐ Crushing	☐ BOM/Route	☐ Grain Direction	☐ Drawing	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Finish	☐ Crimp/Kink/Ripple/Wave/Twist	☐ Incomplete/Unclear Instructions	☐ Wrong Stock Pulled	☐ Part Lost/Missing	☐ Marks/Chatter	☐ Drill Holes	☐ Out of Sequence	☐ Misread	☐ Mislabeled	☐ Fit/Function	☐ Off-set/Set-up	
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Other/Details:																													